

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: Vladimir A. Dmitriev  
 Appln. No.: New Application  
 Filing Date: Herewith  
 Title: **MANUFACTURING METHODS FOR SEMICONDUCTOR DEVICES WITH MULTIPLE III-V MATERIAL LAYERS**

21909 U.S. PTO  
 10/623375  
 07/18/03

**UTILITY PATENT APPLICATION & FEE TRANSMITTAL**  
*(for nonprovisional applications under 37 CFR § 1.53(b))*

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" UNDER 37 CFR § 1.10**

I, hereby certify that this paper and all enclosures are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" under 37 CFR § 1.10 on **July 18, 2003**, Express Mail Label No. **EV 148299913 US** and is addressed to the Attn: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*Pam Golden*  
 Signature of Person Mailing: Pam Golden

Commissioner for Patents  
**MAIL STOP PATENT APPLICATION**  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing in connection with the above-identified patent application are the following:

<b>I. Elements of the Application</b>	
<input checked="" type="checkbox"/> Application	[ 1 ] page(s) of Cover Sheet [ 24 ] page(s) of Specification [ 6 ] page(s) of Claims (34 claims) [ 1 ] page(s) of Abstract [ 3 ] sheets of Drawings [ ] Formal [ X ] Informal
<input checked="" type="checkbox"/> Declaration [ ] page(s) [ X ] Unexecuted [ ] Executed [ ] Copy from prior application (37CFR § 1.63(d))	
<input type="checkbox"/> Deletion of Inventors: [ ] page(s) of signed statement deleting inventor(s) (37CFR § 1.63(d) & 1.33(b))	
<input type="checkbox"/> Request and Certification Under 35U.S.C. 122(b)(2)(B)(i)	
<input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission: [ ] page(s) of Sequence Listing (paper copy) [ ] disk(s) containing Sequence Listing (computer readable copy) [ ] page(s) of Statement Under 37 CFR 1.821(f)	
<input type="checkbox"/> Microfiche Computer Program Appendix _____	
<b>II. Claim for U.S. Priority</b>	
<input checked="" type="checkbox"/> This application is a <input checked="" type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-Part U.S. Appln. No. <b>10/113,692</b> , filed <b>March 28, 2002</b> claiming benefit of U.S. Provisional Appln. No. <b>60/280,604</b> , filed <b>March 30, 2001</b> and Provisional Appln. No. <b>60/283,743</b> , filed <b>April 13, 2001</b> of U.S. Patent Appln. No. <b>10/355,426</b> , filed <b>January 31, 2003</b> which is a continuation-in-part of U.S. Patent Appln. No. <b>09/900,833</b> , filed <b>July 6, 2001</b> and priority from U.S. Patent Appln. No. <b>09/903,299</b> , filed <b>July 11, 2001</b> which is a continuation of U.S. Patent Appln. No. <b>09/900,833</b> , filed <b>July 6, 2001</b> , (35 USC §120)	
<input checked="" type="checkbox"/> This application claims the benefit under 35 U.S.C. §119(e) of United States Application Serial No. <b>60/398,176</b> filed <b>July 24, 2002</b>	
<input checked="" type="checkbox"/> The entire disclosure of the prior application referenced above, is considered as being part of the application filed herewith and is herein incorporated by reference in its entirety.	

**III. Claim for Foreign Priority**

- ☐ This application claims the benefit under 35 USC §119 of Prior Application No. \_\_\_\_\_ filed \_\_\_\_\_.
- ☐ Certified Copy of Priority Document [ ] page(s)
- ☐ English Translation of Priority Document [ ] page(s)

**IV. Accompanying Documents**

- ☐ Assignment Papers [ ] page(s) of Recordation Cover Sheet [ ] page(s) of Assignment
- ☒ Applicant(s) claims Small Entity Under 37 CFR § 1.27 [ ] Verified Small Entity Statement was previously filed in Prior Application No. \_\_\_\_\_ on \_\_\_\_\_, \_\_\_\_\_.
- ☐ Information Disclosure Statement [ 1 ] page(s) of PTO-1449 [ 13 ] copies of IDS References
- ☐ A Preliminary Amendment [ ] page(s)
- ☐ A copy of a Petition for Extension of Time ( \_ mos.) filed simultaneously in Prior Application No. \_\_\_\_\_
- ☐ A copy of a Submission of Processing & Retention Fee (37 CFR § 1.78(a)(1) which is being filed simultaneously in Prior Application No. \_\_\_\_\_
- ☐ Other \_\_\_\_\_ (specify)
- ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)

**V. Fee Calculation**

☐ The following fees are submitted:

				CALCULATIONS
		OTHER THAN SMALL ENTITY	SMALL ENTITY	
<b>BASIC NATIONAL FILING FEE</b>		\$ 750.00	\$ 375.00	<b>\$375.00</b>
<b>EXTRA CLAIMS FEE</b>				
<b>CLAIMS</b>	<b># FILED</b>	<b># EXTRA</b>	<b>RATE</b>	<b>RATE</b>
Total Claims	34- 20 =	14	× \$18.00	× \$ 9.00
Independent claims	1- 3 =	0	× \$84.00	× \$42.00
<b>MULTIPLE DEPENDENT CLAIM(S)</b>				
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		\$280.00	\$140.00	<b>\$0.00</b>
Fee for recordation of the enclosed assignment (37 CFR 1.21(h), 3.28, 3.31).				
_____ (Numbers of Applications) × \$40.00				<b>\$0.00</b>
<b>OTHER FEES</b> _____ (specify)				<b>\$0.00</b>
<b>TOTAL FEES =</b>				<b>\$501.00</b>

- a. ☐ A check in the amount of \$\_\_\_\_\_ to cover the above fees is enclosed.
- b. ☒ Please charge Deposit Account No. 50-2518, Docket No. 2023600-7006254001, in the amount of \$501.00 to cover the above fees. *A duplicate copy of this sheet is enclosed.*
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-2518, Docket No. 2023600-7006254001  
*A duplicate copy of this sheet is enclosed*

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